IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application: Jung-Fu Cheng
Serial No.: 10/624321
Filed: July 22, 2003
For: **Adaptive Hybrid ARQ Algorithms**

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA   22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

In accordance with 37 C.F.R. 1.56, counsel wishes to make of record the attached items

of information for the Examiner's consideration in connection with this application. This IDS is

submitted before the first Office Action, and thus no fee should be due. Also enclosed is a form

PTO-1449 for the Examiner's convenience in making such consideration of record. Inclusion

herein of any particular item of information is not to be construed as an admission that same is

prior art.

The Commissioner is hereby authorized to charge any fees that may be required or

credit any overpayment to Deposit Account 18-1167.

Respectfully submitted,

David E. Bennett
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Date: September 23, 2003
File No.: 4015-5072

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FORM PTO-1449

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION PURSUANT TO
37 CFR §1.97 & 1.98**

Docket Number: 4015-5072	Serial Number: 10/624,321
Applicant: Jung-Fu Cheng	
Filing Date: July 22, 2003	Group:

U. S. PATENT DOCUMENTS

Examiner Initial		Patent No.	Date	Name	Class	Subcl	Filing Date If Approp.

FOREIGN PATENT DOCUMENTS

		Patent No.	Date	Name	Class	Subcl	Translation Yes	No

OTHER DOCUMENTS (including author, title, date, pages, etc.)

	A	K. Brayer, "Error Control Techniques Using Binary Symbol Burst Codes," *IEEE Trans. Comm. Tech.*, vol. 16, no. 2, pp. 199-214, April 1968.
	B	D.M. Mandelbaum, "An Adaptive-Feedback Coding Scheme Using Incremental Redundancy," *IEEE Trans. Info. Theory*, vol. 20, no. 3, pp. 388-389, May 1974.
	C	J.J. Metzner, "Improvements in Block-Retransmission Schemes," *IEEE Trans. Comm.*, vol. 27, no. 2, pp. 524-532, Feb. 1979.
	D	D. Chase, "A combined coding and modulation approach for communication over dispersive channels," *IEEE Trans. Comm.*, vol. 21, no. 3, pp. 159-174, Mar. 1973.
	E	P. Frenger, S. Parkvall, and E. Dahlman, "Performance comparison of HARQ with Chase combining and incremental redundancy for HSDPA," *Proc. IEEE VTC '01*, pp. 1829-1833, Oct. 2001.
	F	F. Frederiksen and T.E. Kolding, "Performance and modeling of WCDMA/HSDPA transmission/H-ARQ schemes," *Proc. IEEE VTC '02 Fall*, Sep. 2002.
	G	Texas Instruments, "Performance comparison of bit level and symbol level Chase combining," 3GPP input document R1-01-0472.
	H	Panasonic Corp., "Enhanced HARQ method with signal constellation rearrangement," 3GPP input document R1-01-0237.
	I	Shu Lin and Daniel J. Costello, Jr., "Error Control Coding Fundamentals and Applications," Prentice-Hall Computer Applications in Electrical Engineering, 1982, pp. 456-497.
	J	"3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Multiplexing and channel coding (FDD)" (Release 5), 3GPP TS 25.212, v5.0.0.,2002-03.

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation not in conformance and not considered. Include copy of this form with next communication to the applicant.